ABSTRACT OF THE DISCLOSURE

A system for treating sleep-related breathing disorders. In one embodiment, the system includes a first magnetically susceptible material attached to a left lateral pharyngeal wall and a second magnetically susceptible material attached to a right lateral pharyngeal wall. The second magnetically susceptible material is positioned opposite the first magnetically susceptible material across an upper airway. The system further includes a first magnet disposed outside the body and lateral to the first magnetically susceptible material, and a second magnet disposed outside the body and lateral to the second magnetically susceptible material.